

FIG. 1

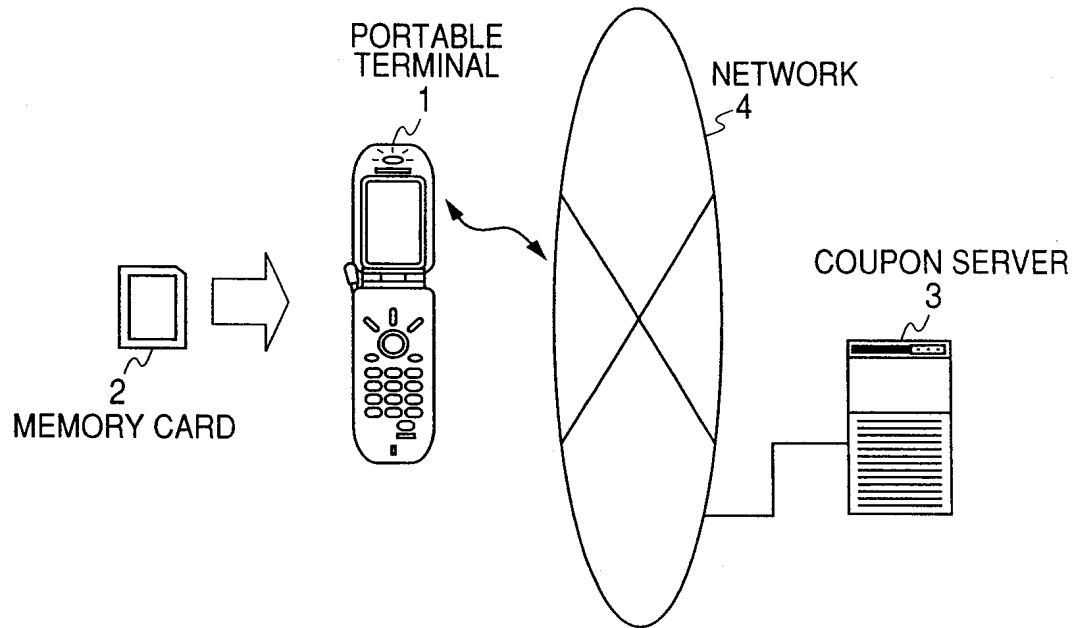


FIG. 2

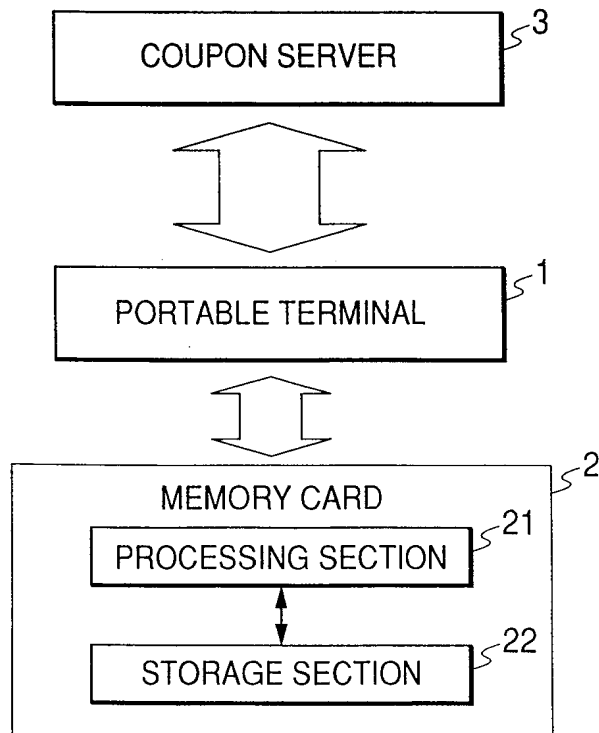


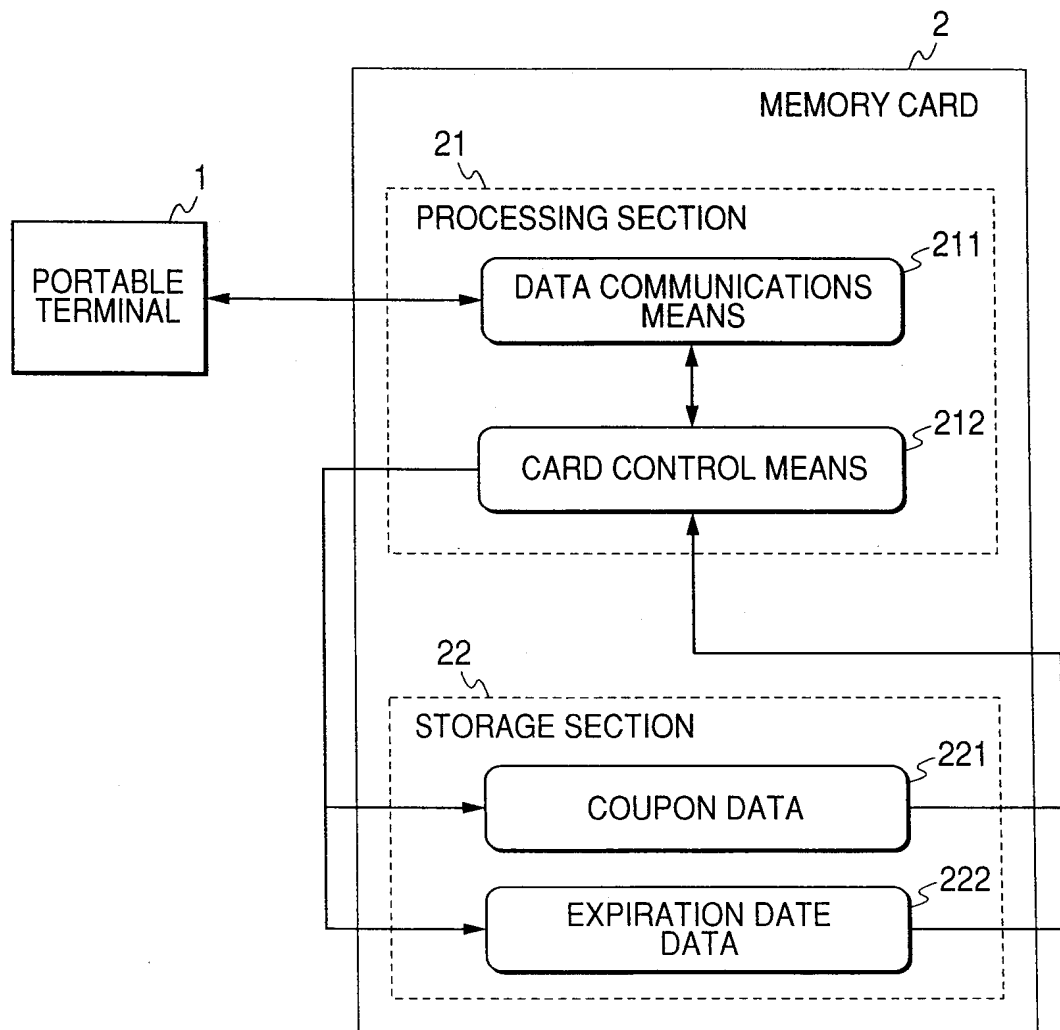
FIG. 3

FIG. 4

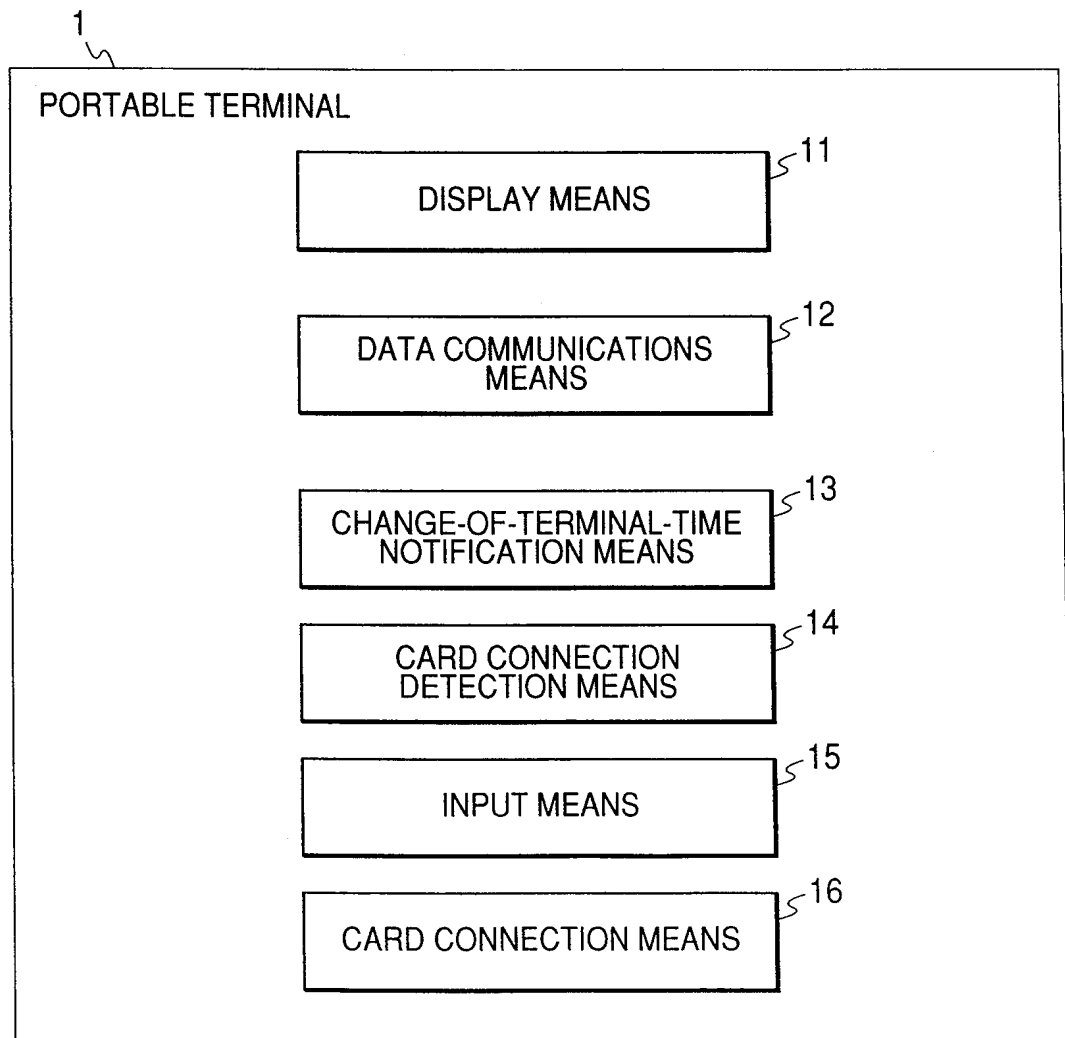
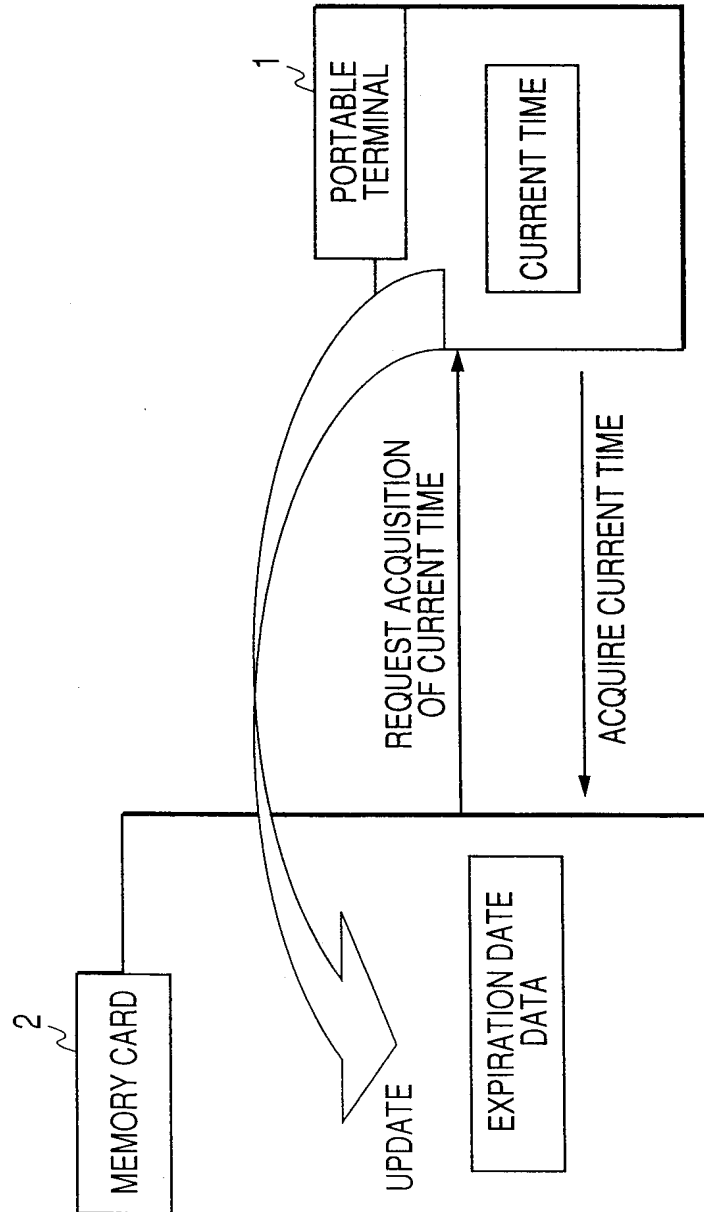


FIG. 5



VERIFY VALIDITY OF COUPON BY COMPARING
"CURRENT TIME" WITH "EXPIRATION DATE"

FIG. 6

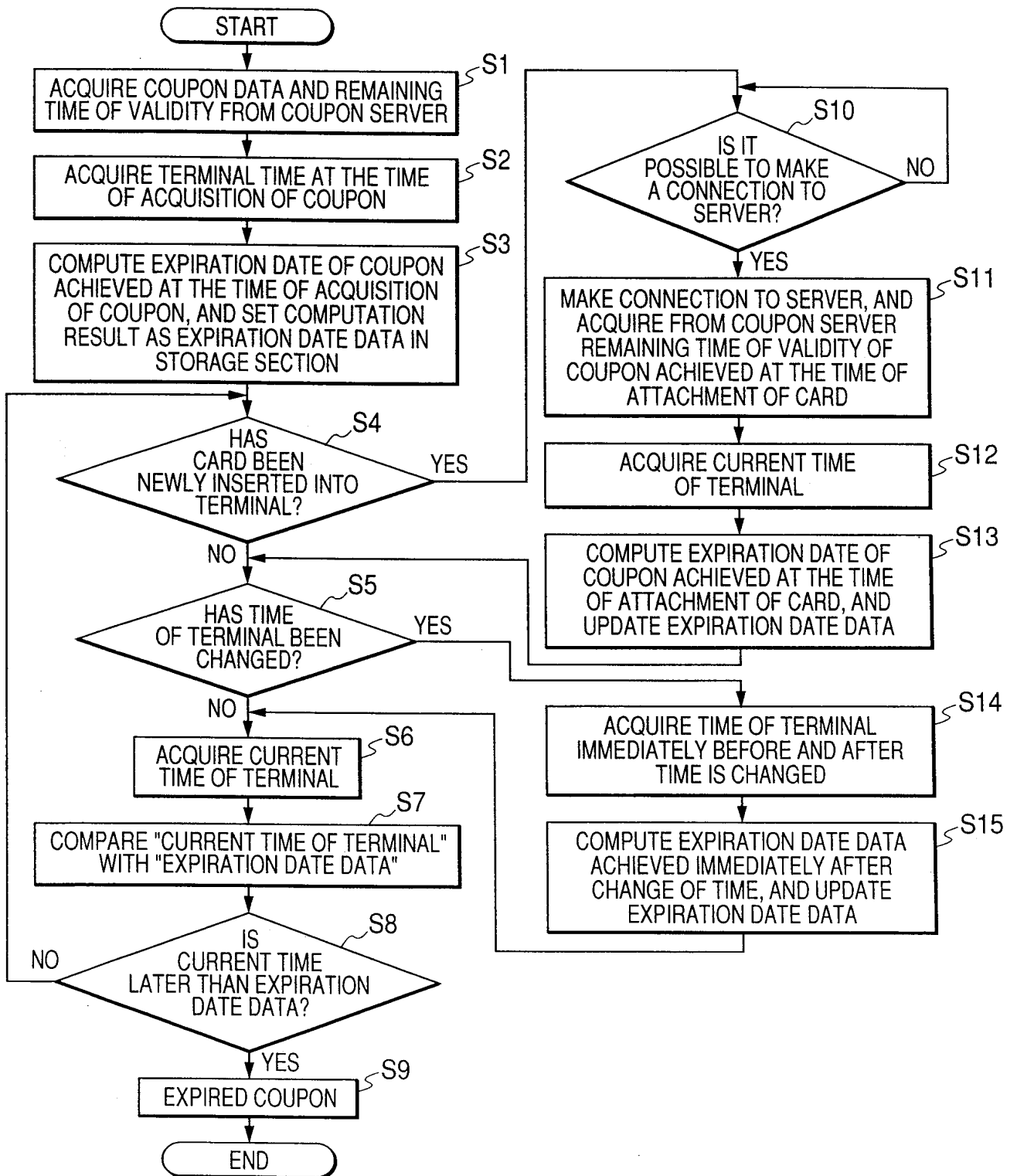


FIG. 7

[AT THE TIME OF ACQUISITION OF COUPON]

- EXPIRATION DATE OF COUPON: NOVEMBER 6 IN SERVER TIME
- CURRENT TIME OF SERVER: NOVEMBER 1
- CURRENT TIME OF TERMINAL: NOVEMBER 2
- REMAINING TIME OF VALIDITY OF COUPON: NOVEMBER 6 - NOVEMBER 1 = FIVE DAYS

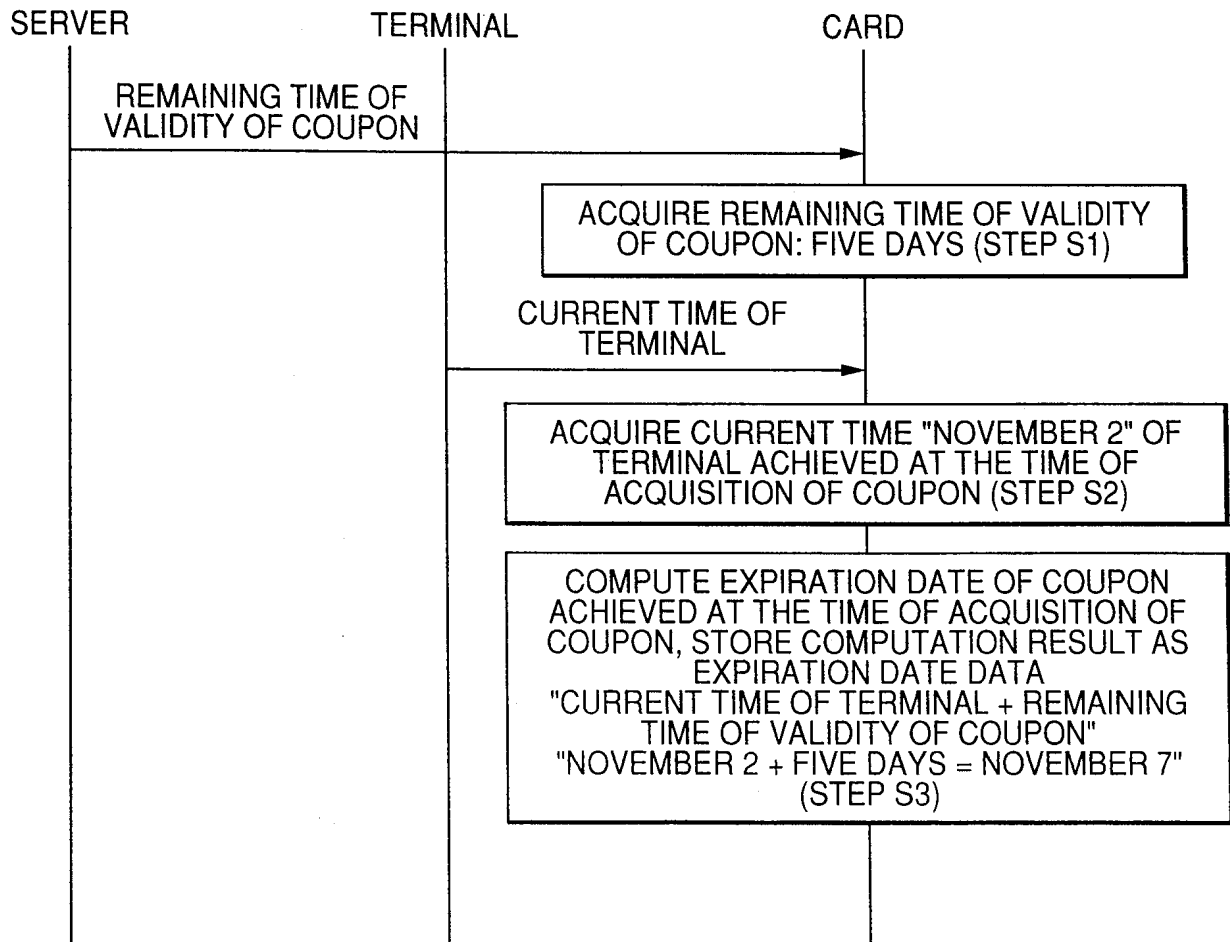


FIG. 8

[WHEN COUPON IS DETERMINED TO BE INVALID]

- EXPIRATION DATE: NOVEMBER 7
- CURRENT TIME OF TERMINAL: NOVEMBER 10

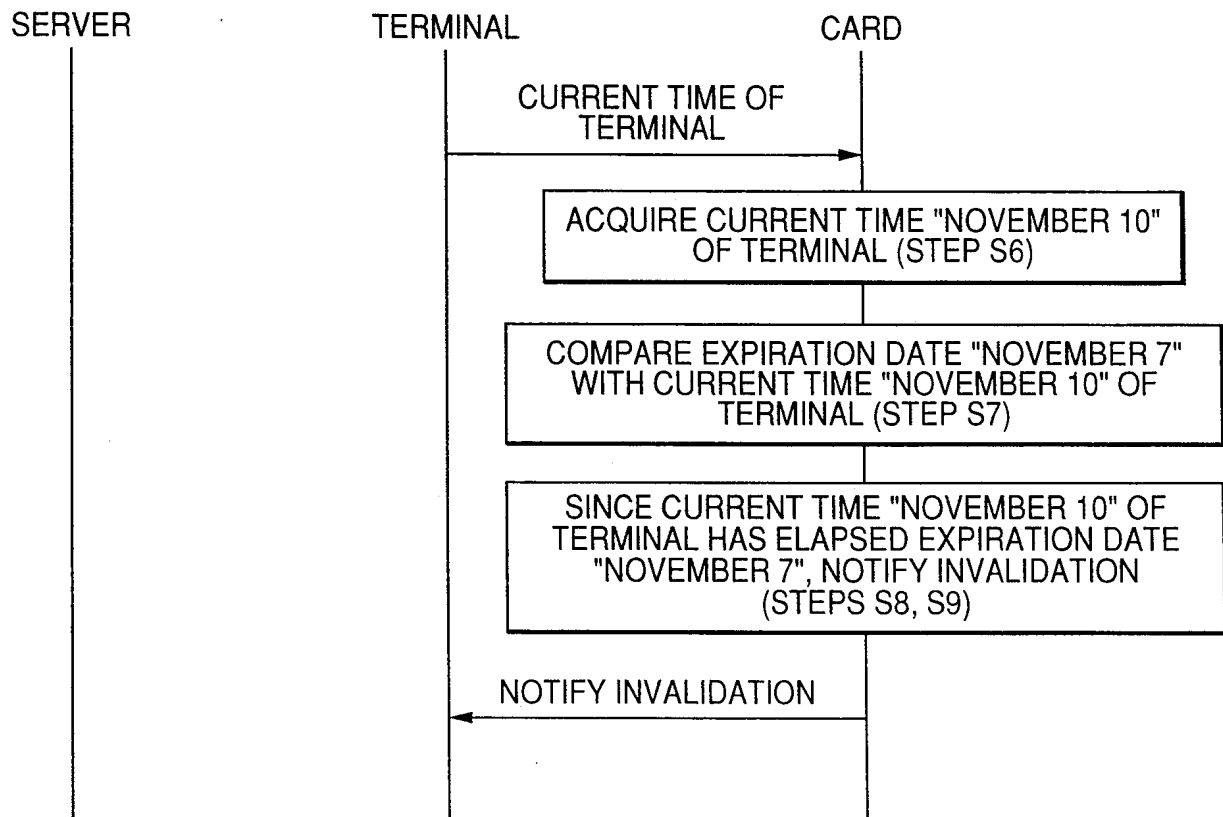


FIG. 9

[WHEN COUPON IS DETERMINED TO BE VALID]

- EXPIRATION DATE: NOVEMBER 7
- CURRENT TIME OF TERMINAL: NOVEMBER 4

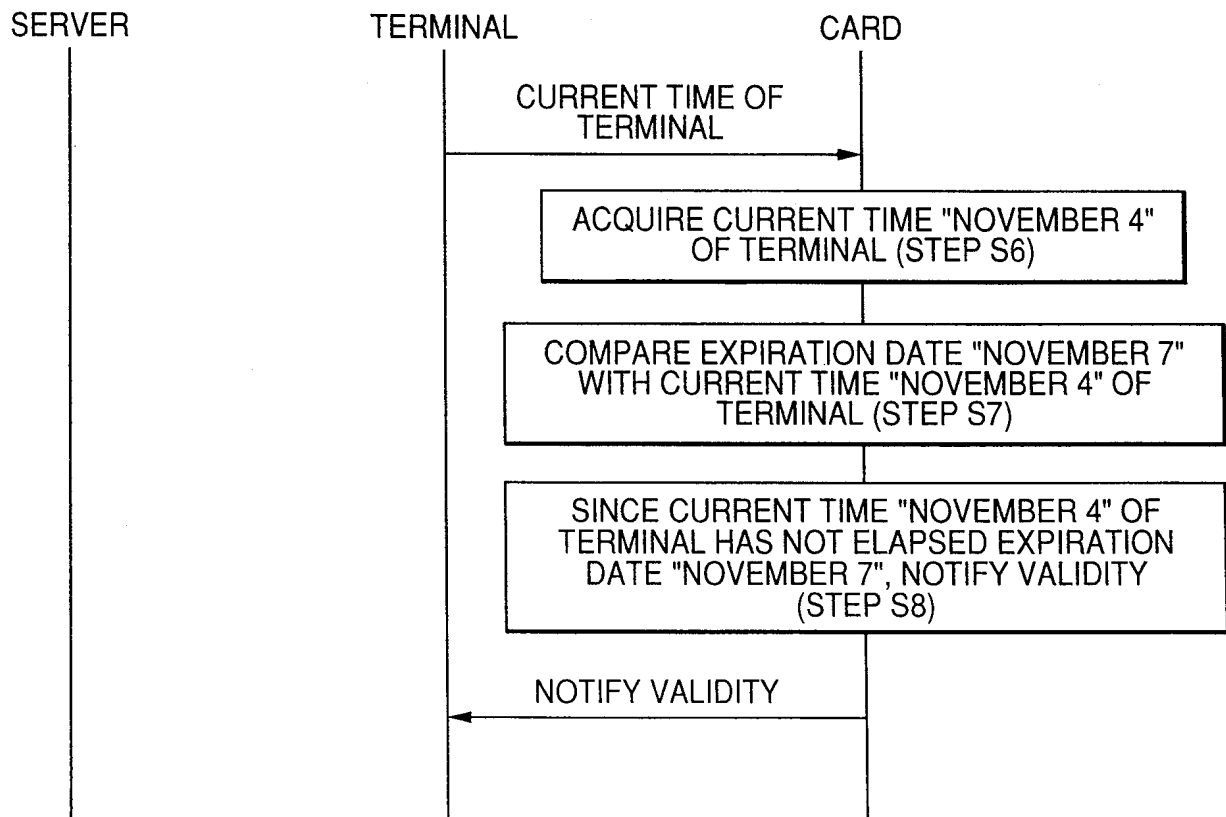


FIG. 10

[AT THE TIME OF CHANGE OF TIME]

- EXPIRATION DATE: NOVEMBER 5
- TIME ACQUIRED IMMEDIATELY BEFORE CHANGE OF TERMINAL TIME: NOVEMBER 4
- TIME ACQUIRED IMMEDIATELY AFTER CHANGE OF TERMINAL TIME: NOVEMBER 1

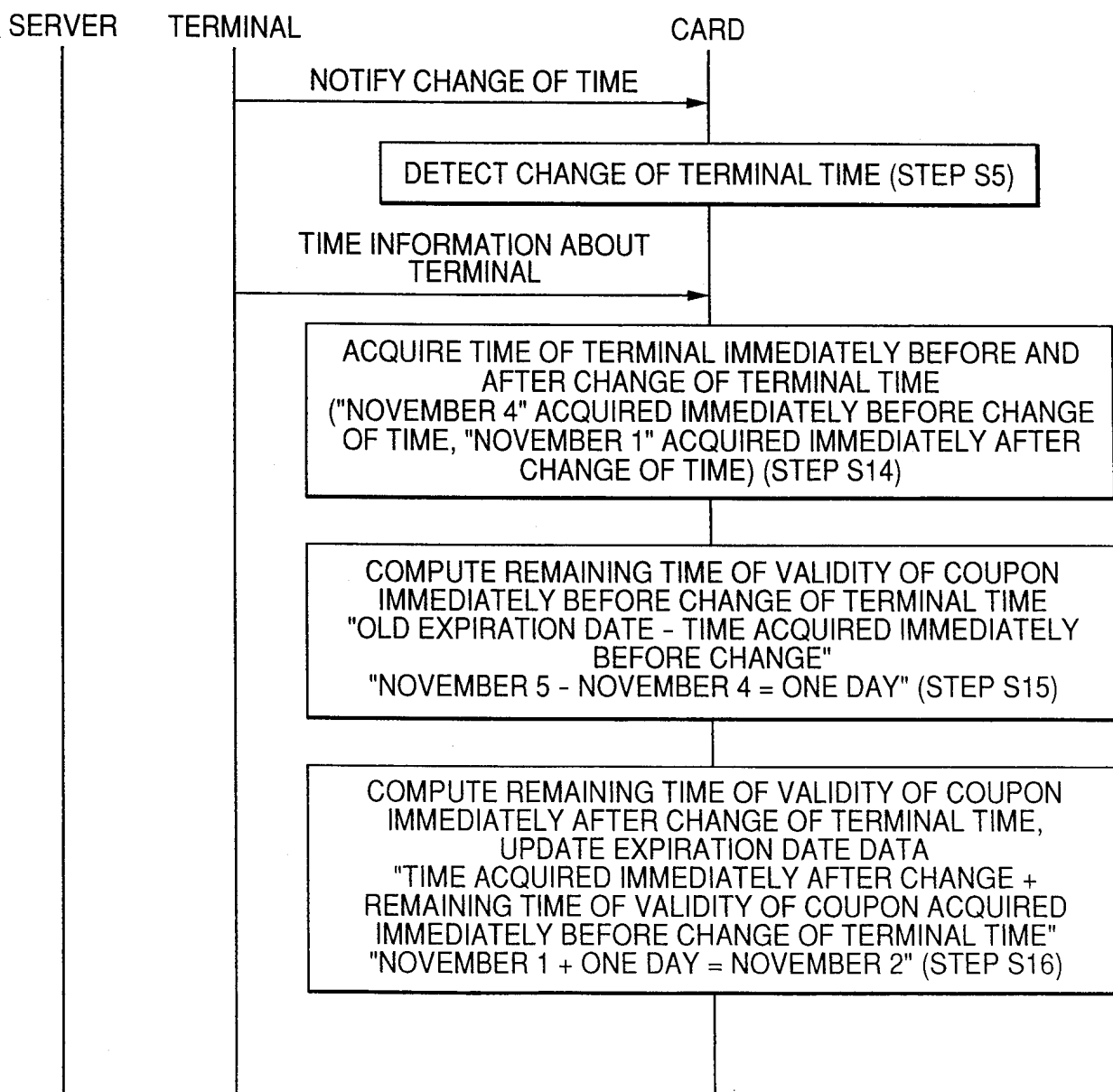


FIG. 11

[AT THE TIME OF ATTACHMENT OF CARD]

- CURRENT TIME OF SERVER: NOVEMBER 3
- EXPIRATION DATE OF COUPON IN SERVER TIME: NOVEMBER 5
- CURRENT TIME OF TERMINAL: NOVEMBER 4
- REMAINING TIME OF VALIDITY OF COUPON ACHIEVED AT THE TIME OF ATTACHMENT OF CARD: NOVEMBER 5 - NOVEMBER 3 = TWO DAYS

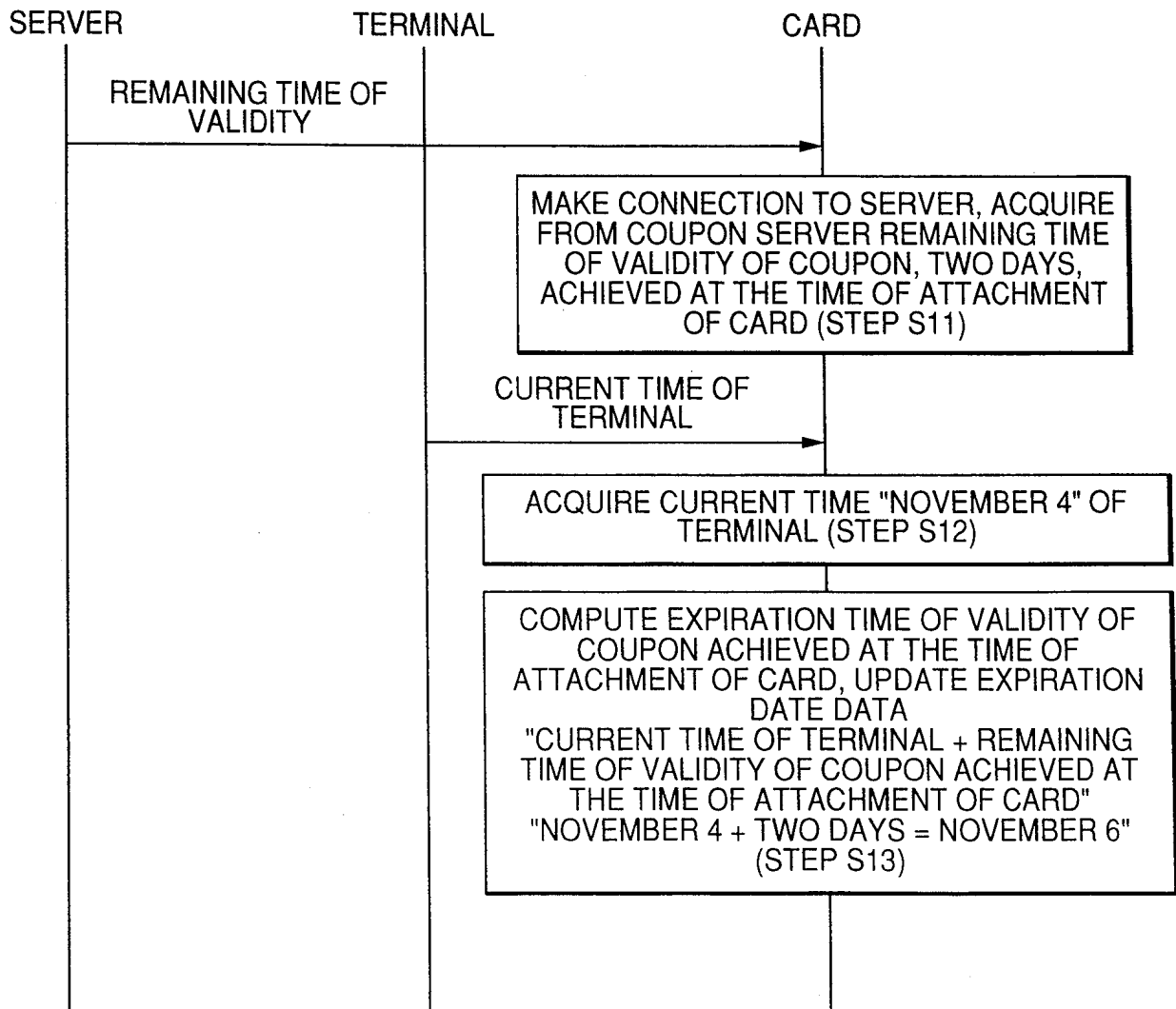


FIG. 12

[ACQUISITION OF INFORMATION ABOUT EXPIRATION DATE OF COUPON]

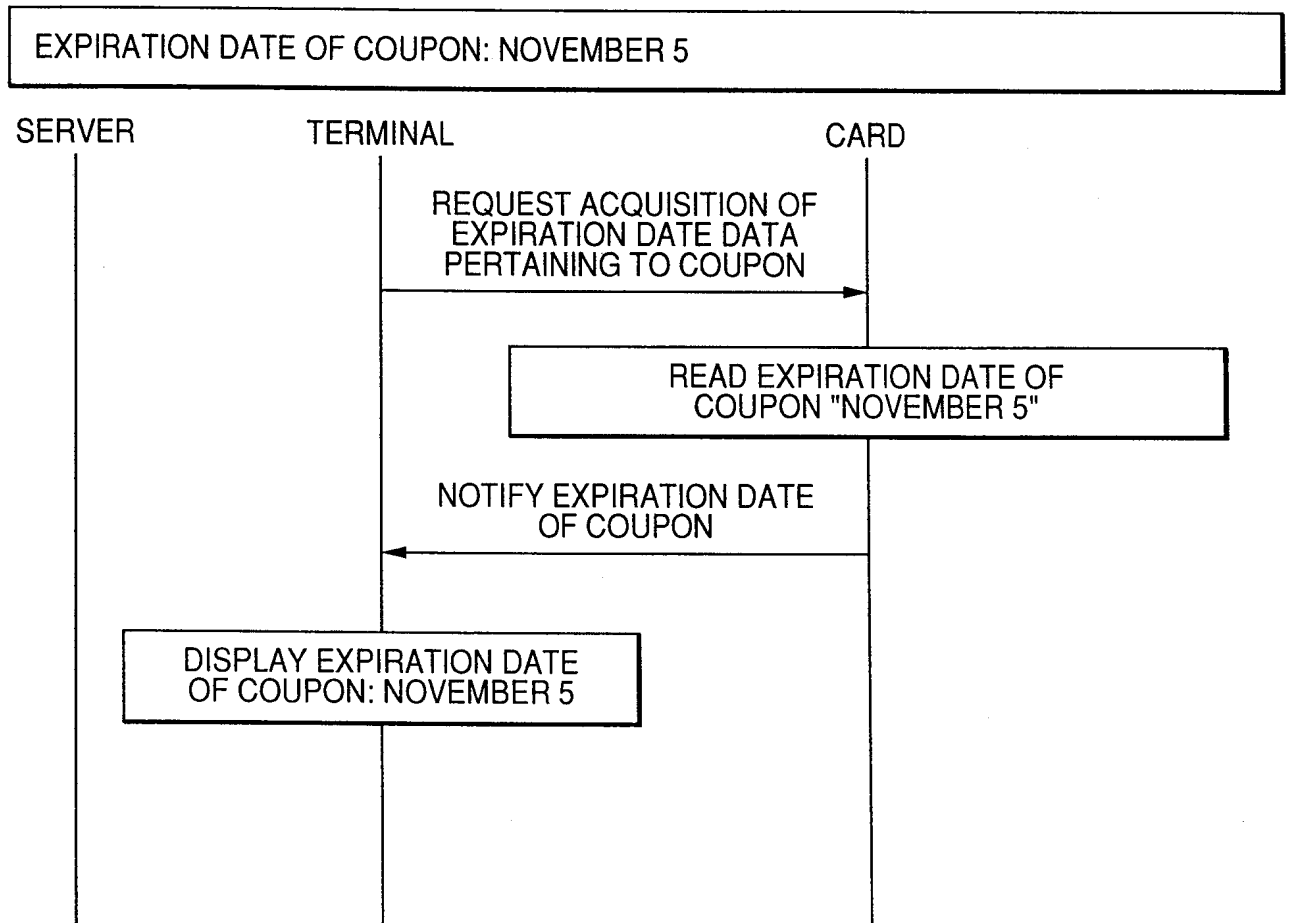


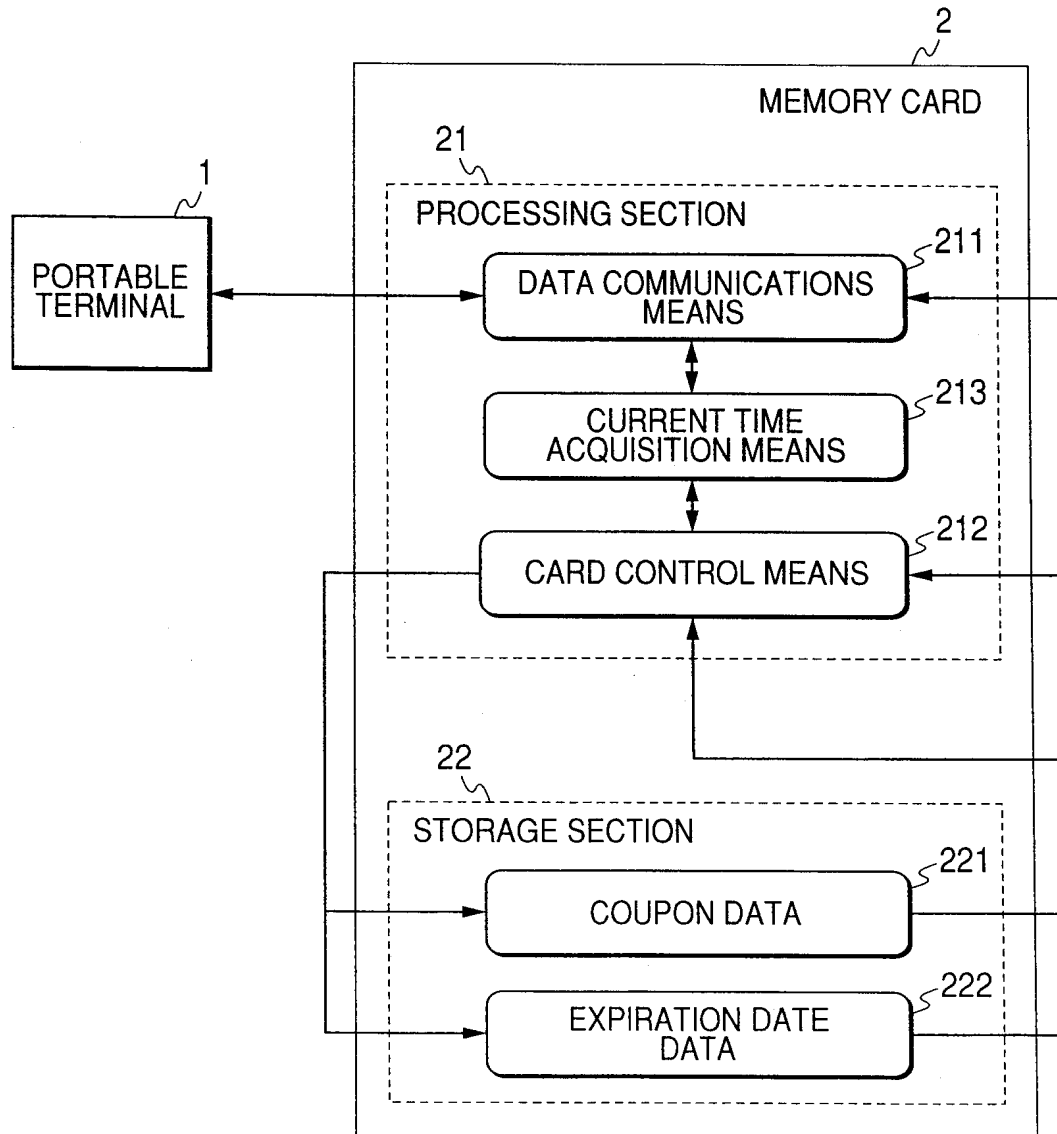
FIG. 13

FIG. 14

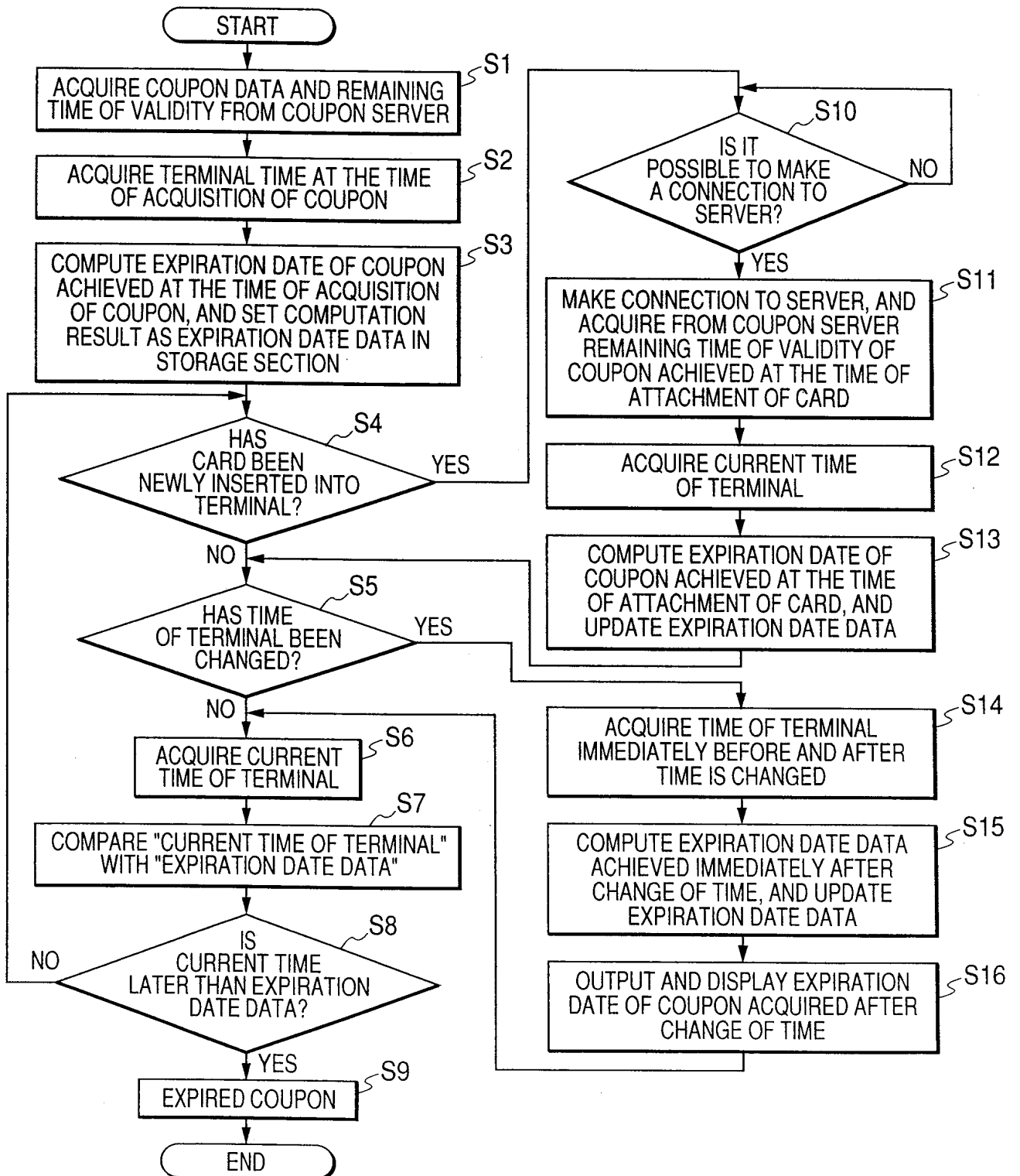


FIG. 15

[AT THE TIME OF ACQUISITION OF COUPON]

- EXPIRATION DATE OF COUPON: NOVEMBER 6 IN SERVER TIME
- CURRENT TIME OF SERVER: NOVEMBER 1
- CURRENT TIME OF TERMINAL: NOVEMBER 2
- REMAINING TIME OF VALIDITY OF COUPON: NOVEMBER 6 - NOVEMBER 1 = FIVE DAYS

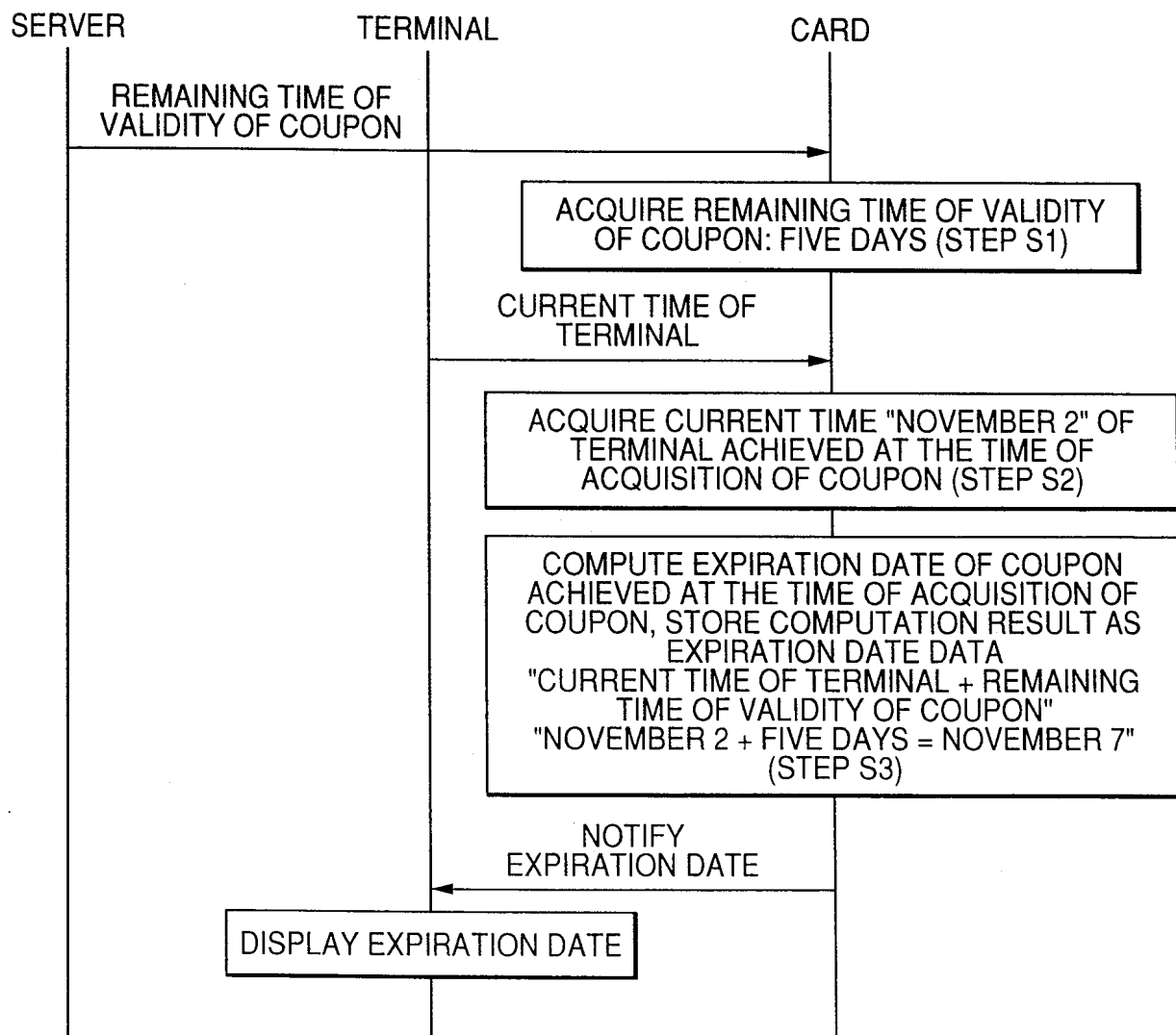


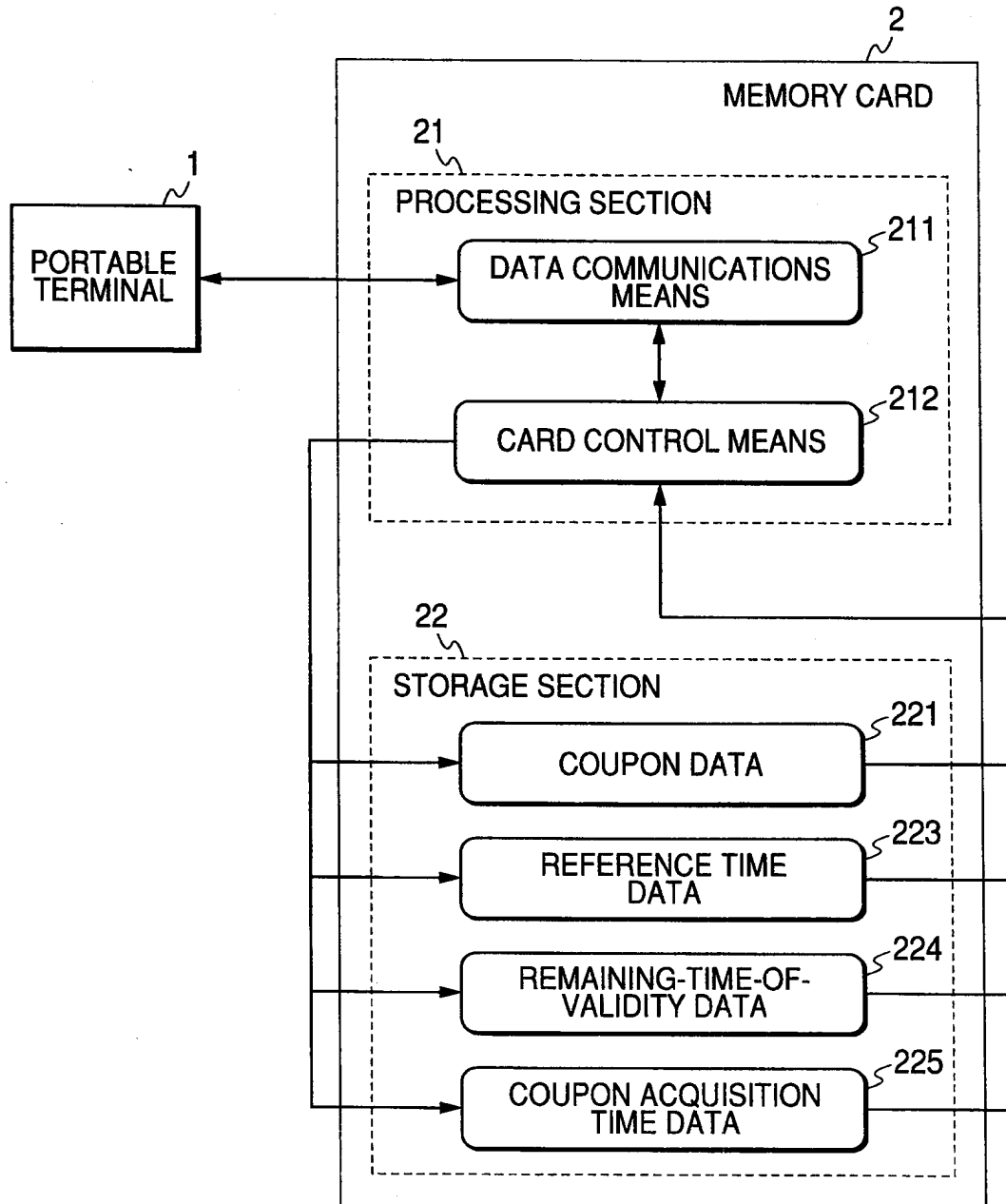
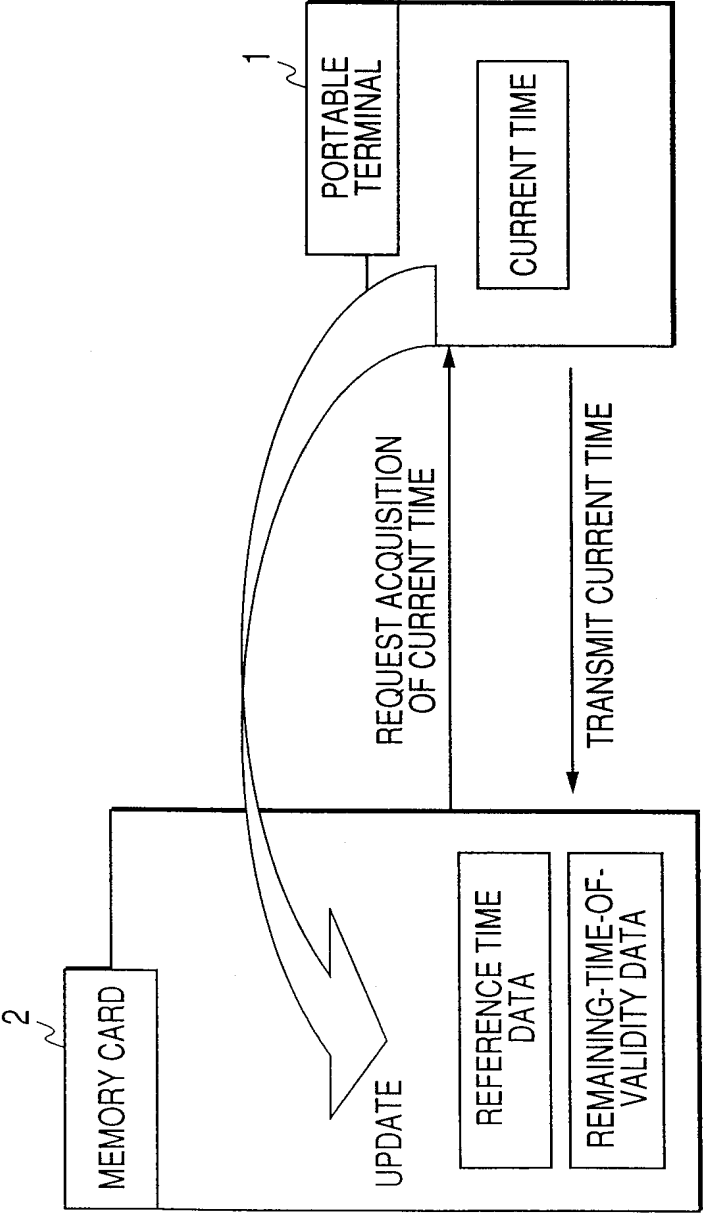
FIG. 16

FIG. 17



VERIFY VALIDITY OF DATA BY COMPARING
"CURRENT TIME - REFERENCE TIME" WITH
"EXPIRATION DATE"

FIG. 18

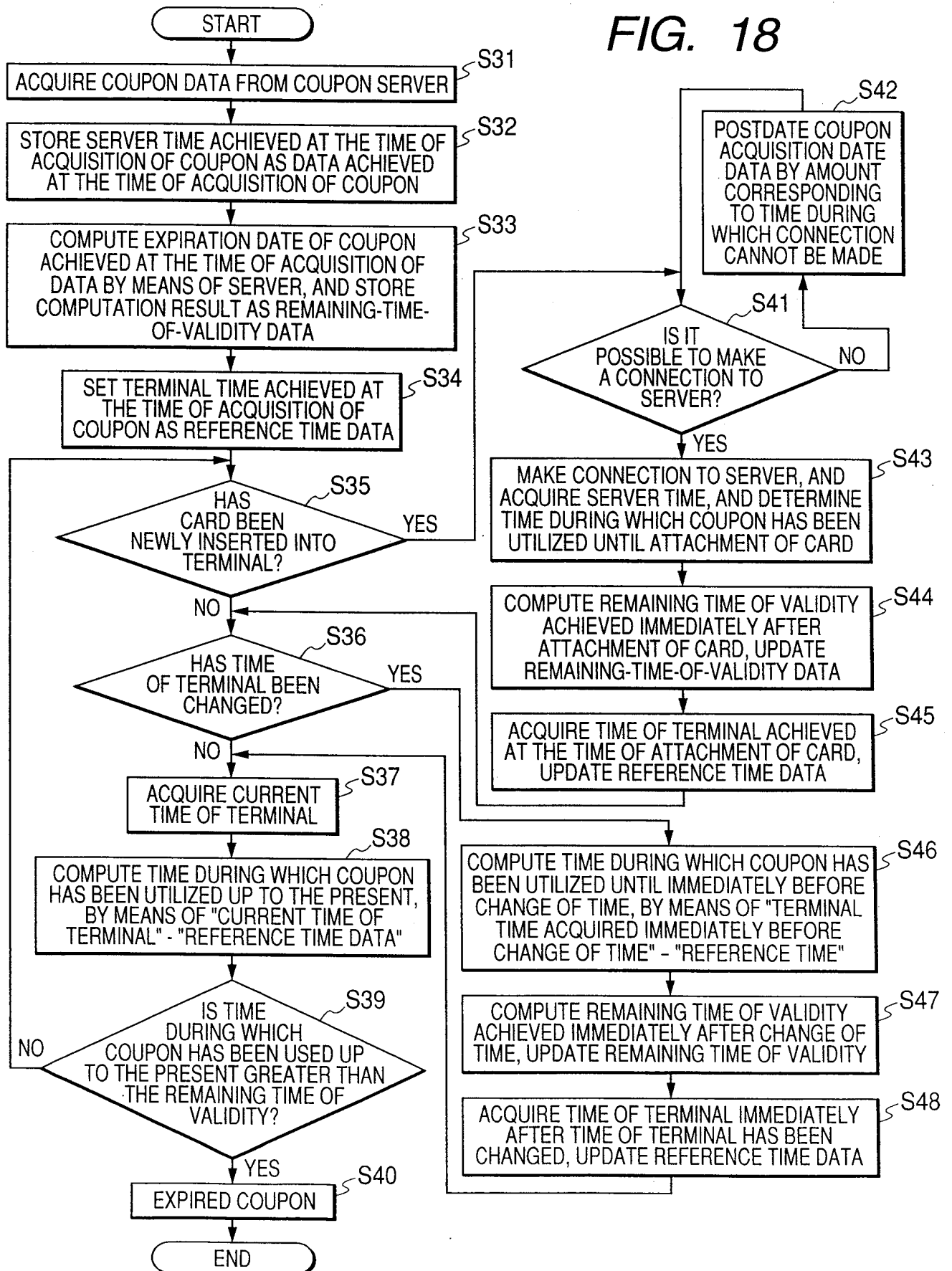


FIG. 19

[AT THE TIME OF ACQUISITION OF COUPON]

- SERVER TIME ACHIEVED AT THE TIME OF ACQUISITION OF COUPON: NOVEMBER 1
- TIME OF TERMINAL ACHIEVED AT THE TIME OF ACQUISITION OF COUPON: NOVEMBER 2
- REMAINING TIME OF VALIDITY OF COUPON ACHIEVED AT THE TIME OF ACQUISITION OF COUPON: FIVE DAYS

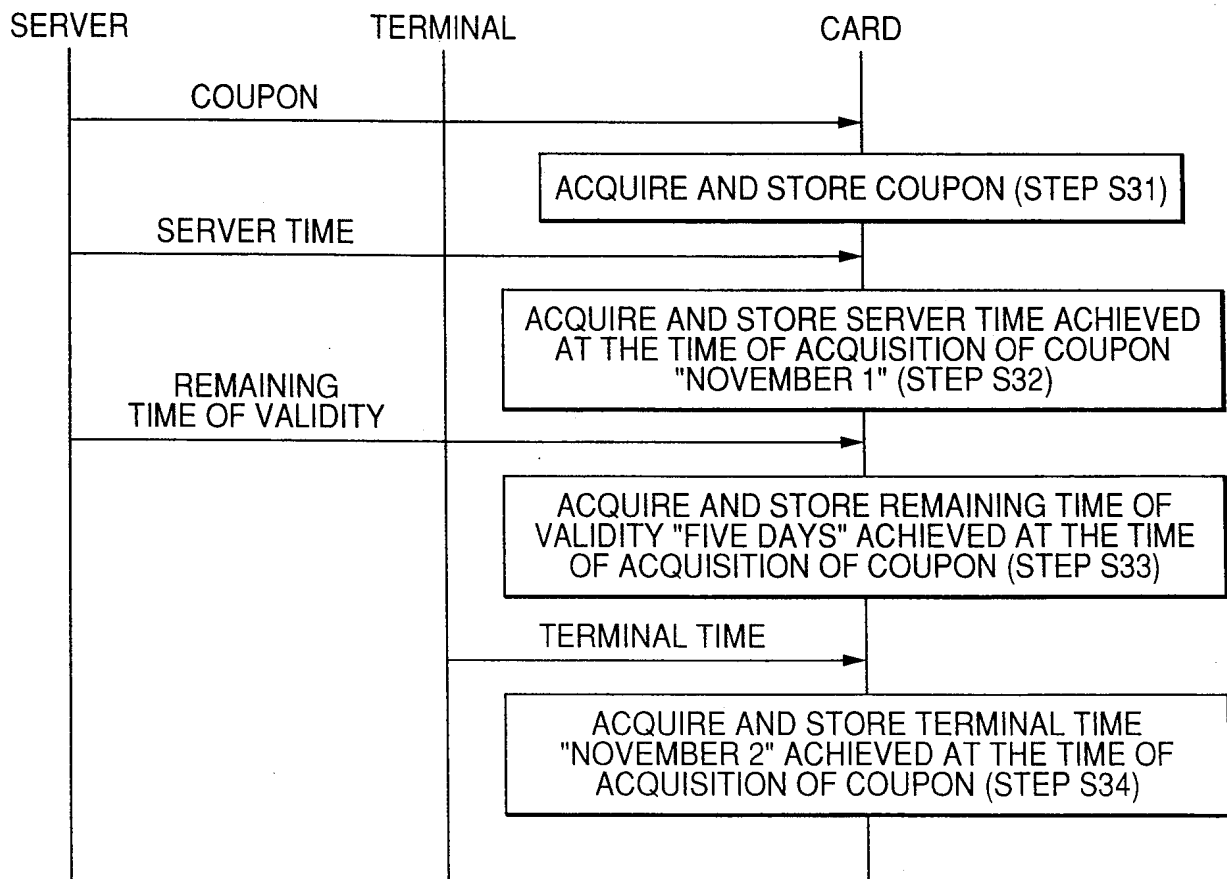


FIG. 20

[AT THE TIME OF COUPON BEING DETERMINED TO BE INVALID]

- REMAINING TIME OF VALIDITY: FIVE DAYS
- REFERENCE TIME: NOVEMBER 2
- CURRENT TIME OF TERMINAL: NOVEMBER 10

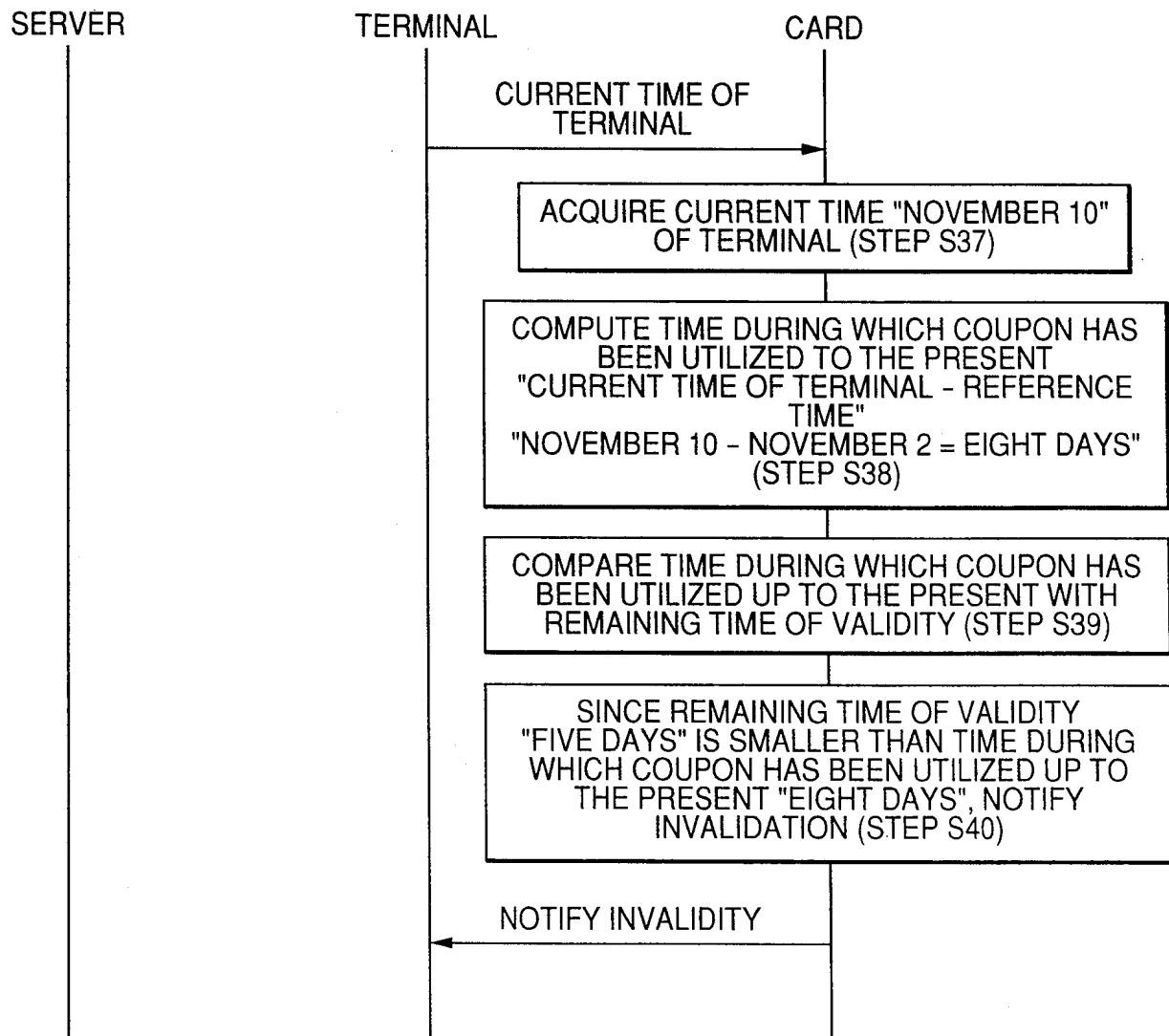


FIG. 21

[WHEN COUPON IS DETERMINED TO BE VALID]

- REMAINING TIME OF VALIDITY: FIVE DAYS
- REFERENCE TIME: NOVEMBER 2
- CURRENT TIME OF TERMINAL: NOVEMBER 4

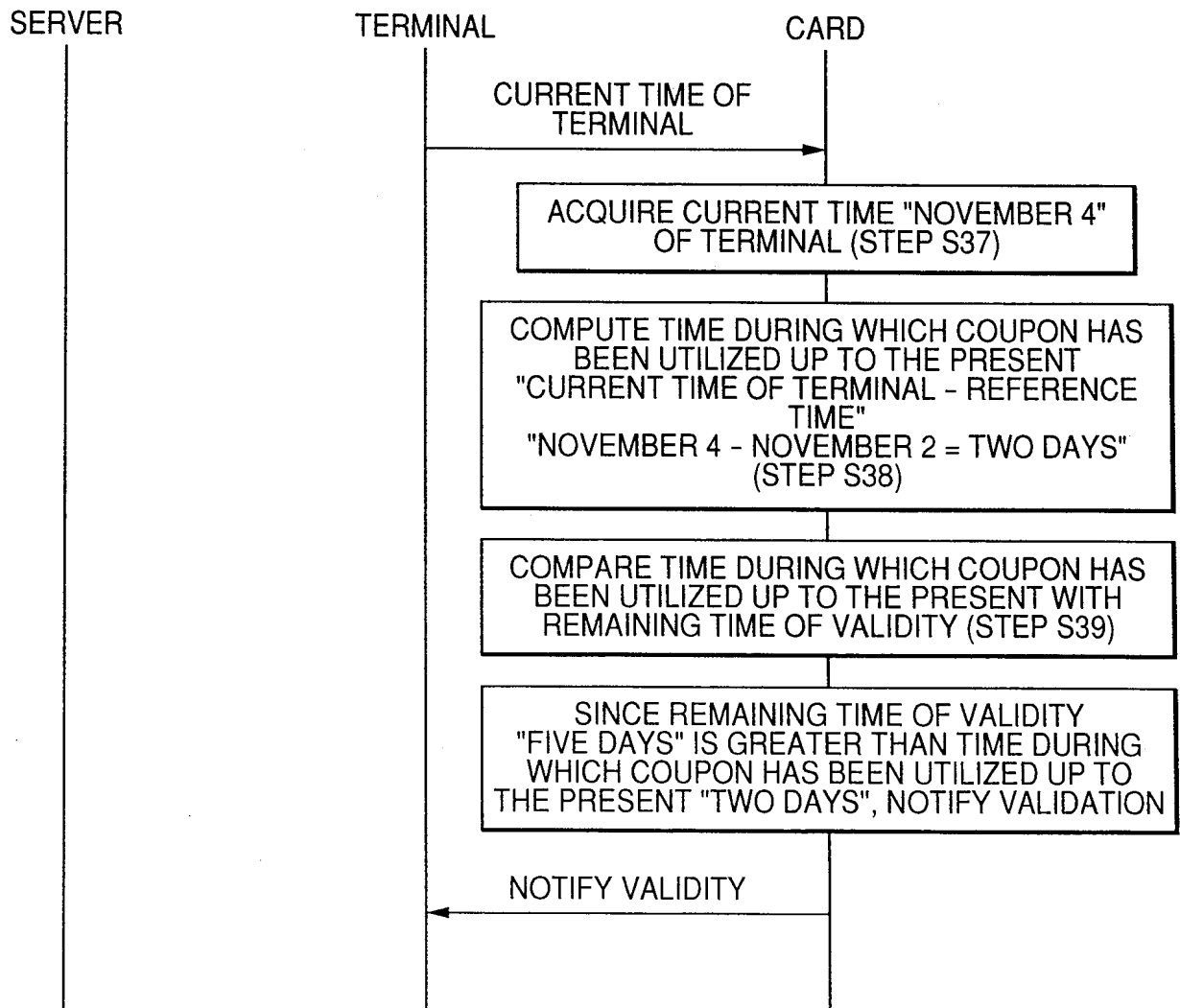


FIG. 22

[AT THE TIME OF CHANGE OF TIME]

- REMAINING TIME OF VALIDITY: FIVE DAYS
- REFERENCE TIME: NOVEMBER 2
- TIME OF TERMINAL ACHIEVED IMMEDIATELY BEFORE CHANGE OF TIME: NOVEMBER 4
- TIME OF TERMINAL ACHIEVED IMMEDIATELY AFTER CHANGE OF TIME: NOVEMBER 1

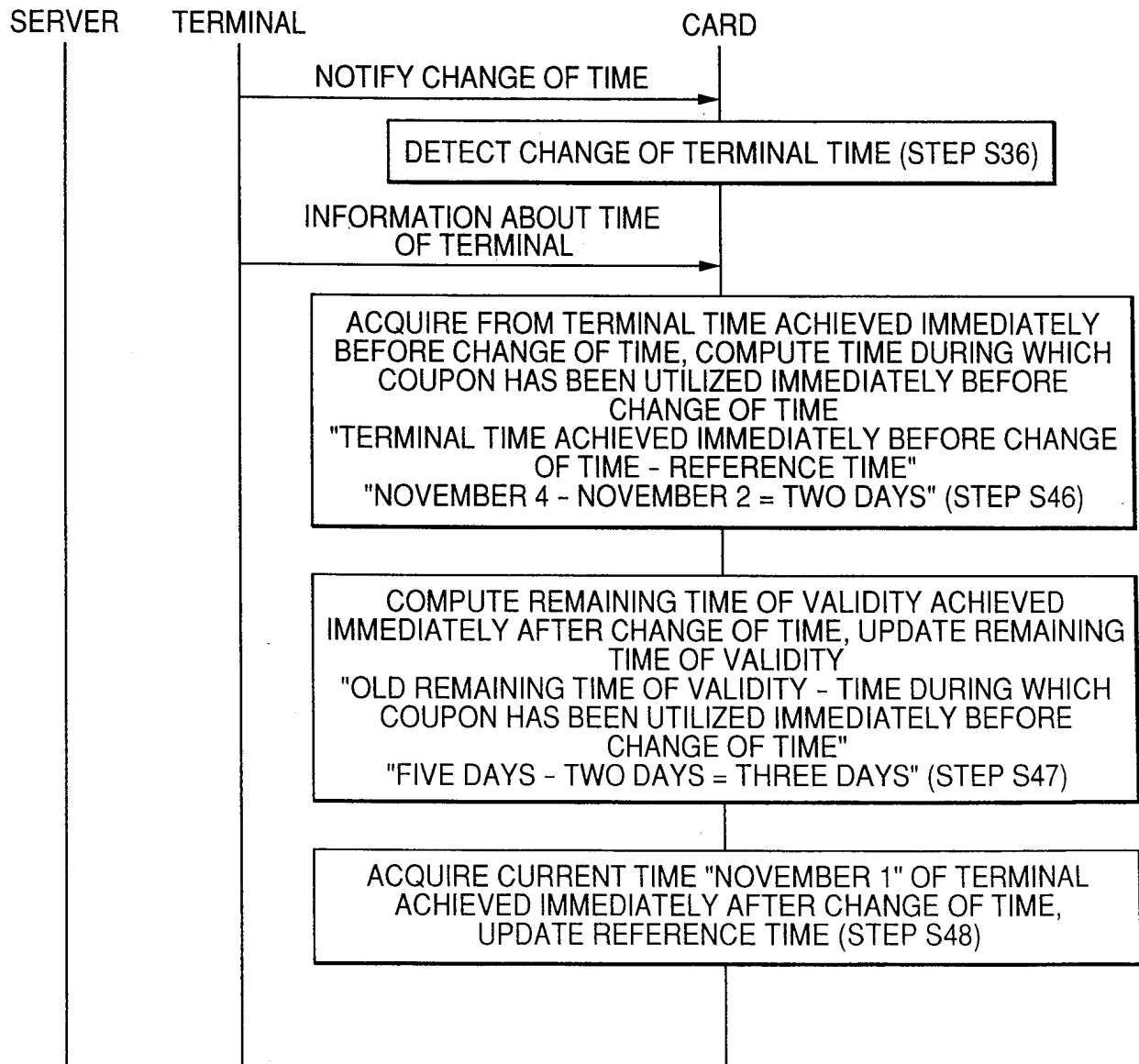


FIG. 23

[AT THE TIME OF ATTACHMENT OF CARD]

- CURRENT TIME OF SERVER: NOVEMBER 3
- TIME OF COUPON SERVER 3 ACHIEVED AT THE TIME OF ACQUISITION OF COUPON: NOVEMBER 1
- CURRENT TIME OF TERMINAL: NOVEMBER 4
- REMAINING TIME OF VALIDITY: THREE DAYS
- REFERENCE TIME: NOVEMBER 2

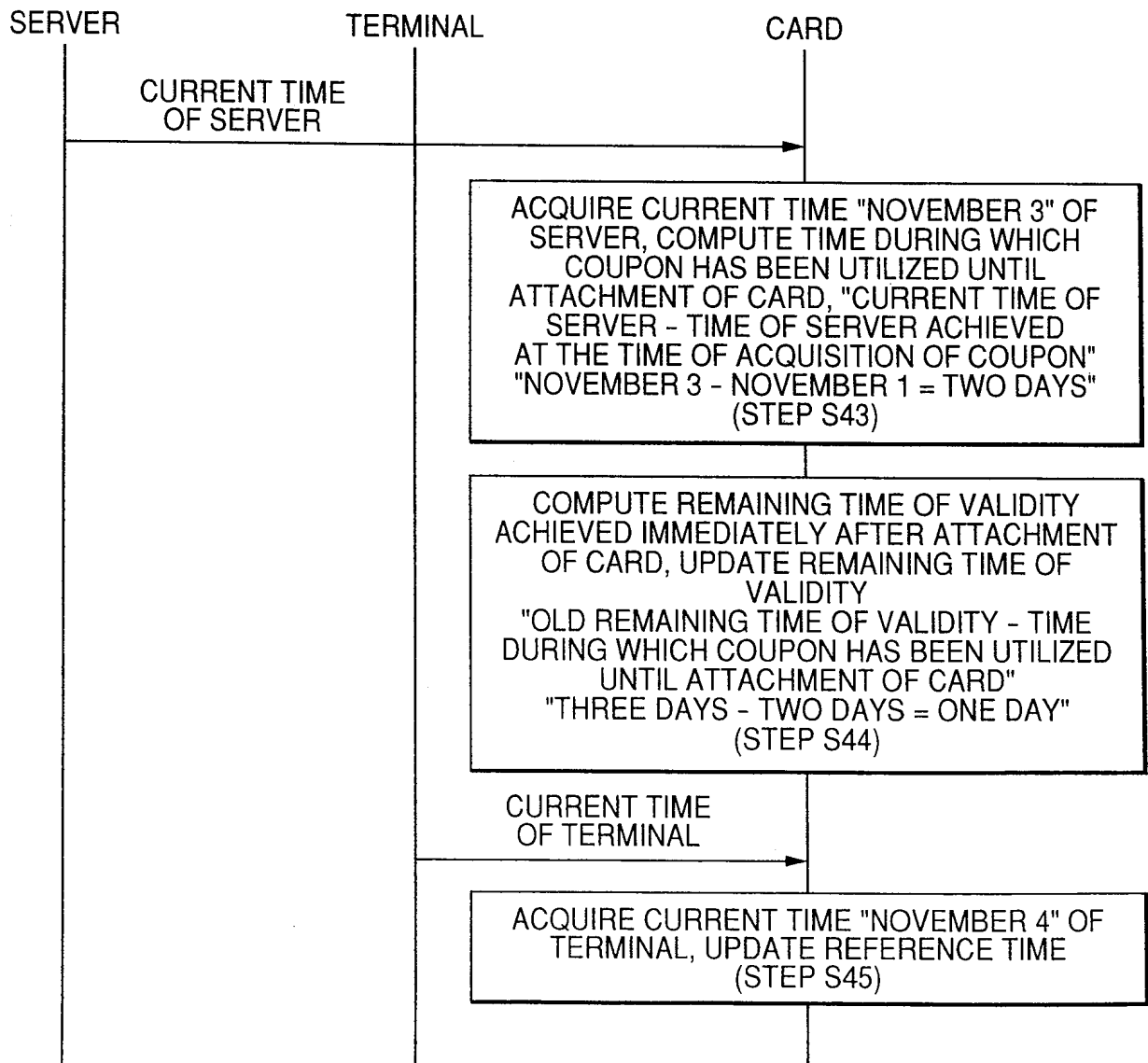


FIG. 24

[ACQUISITION OF INFORMATION ABOUT EXPIRATION DATE OF COUPON]

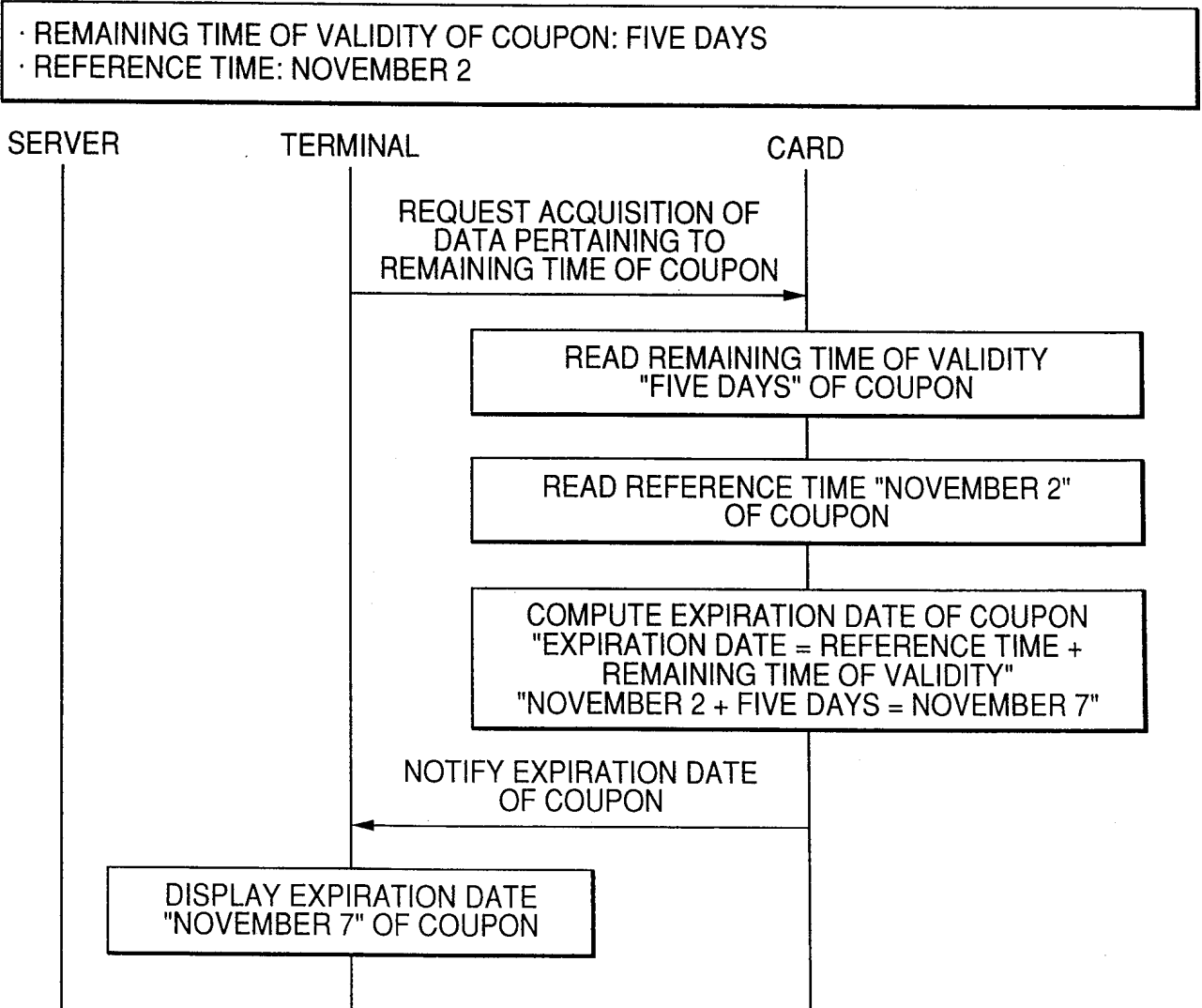


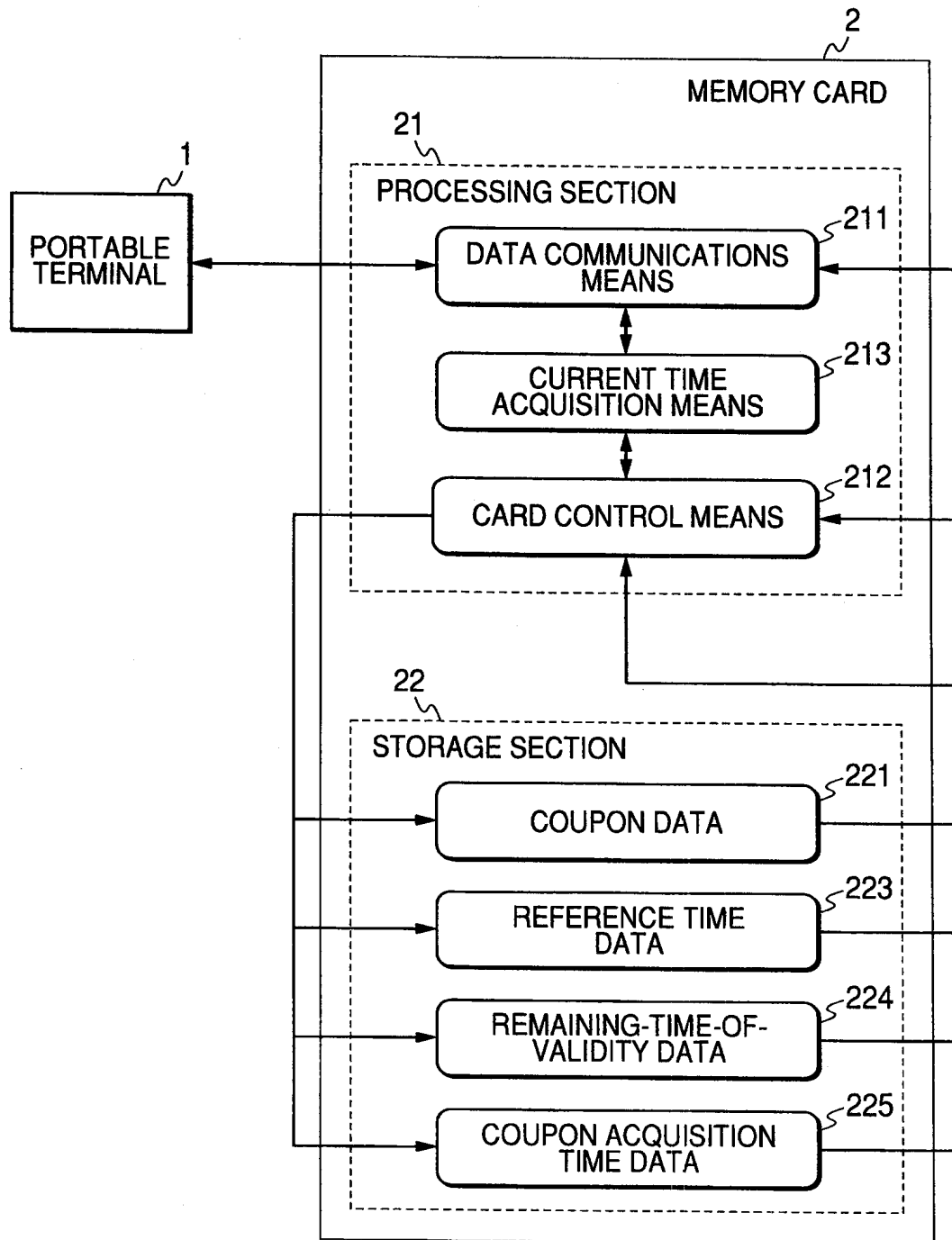
FIG. 25

FIG. 26

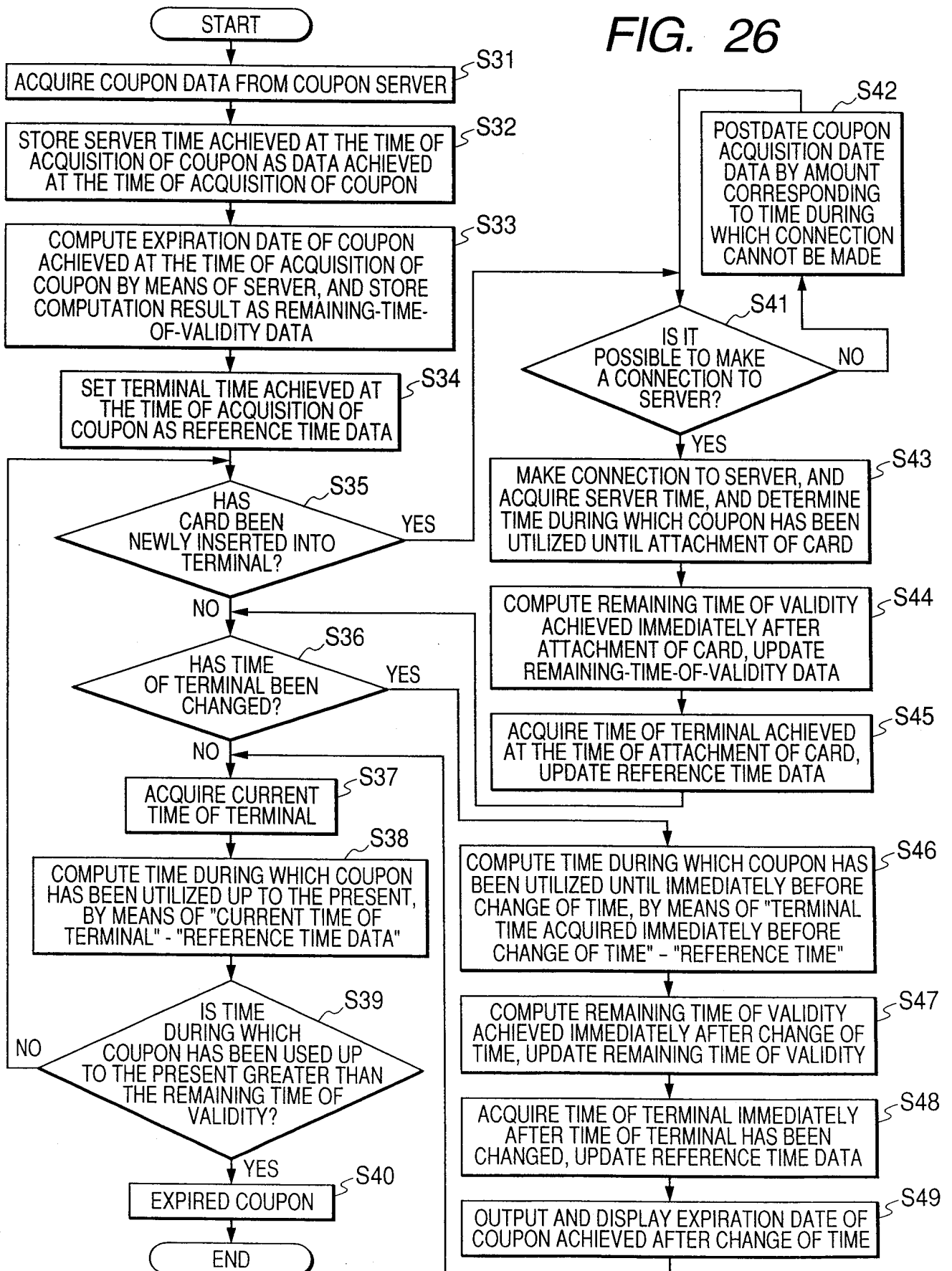


FIG. 27

[AT THE TIME OF ACQUISITION OF COUPON]

- SERVER TIME ACHIEVED AT THE TIME OF ACQUISITION OF COUPON: NOVEMBER 1
- TIME OF TERMINAL ACHIEVED AT THE TIME OF ACQUISITION OF COUPON: NOVEMBER 2
- REMAINING TIME OF VALIDITY OF COUPON ACHIEVED AT THE TIME OF ACQUISITION OF COUPON: FIVE DAYS

